## MISSION SERVICES MILESTONE CHART **CODE 450** 2005 2006 2004 2003 All future Shuttle launch dates currently UNDER REVIEW Commitment Customer MISSION SERVICES CUSTOMER FORUM **CODE 450 ACTIVITIES LEGEND** AOS AT Advanced Orbiting Systems PROJECT ACTIVITIES Acceptance Test MARS LASER COMMUNICATIONS (LaserComm) Command and Data Handler Shipping C&DH CCSDS DAS Consultative Committee for Space Data Systems Activities Systems Testing Demand Access Service DFRC Dryden Flight Research Center Acceptance Testing EC ESA European Commission European Space Agency Customer Integration Testing ESRIN GN GPS European Space Research Institute SPECTRUM MANAGEMENT Ground Network Global Positioning System Segment Completion World Radio Con GSFC Goddard Space Flight Center 450 Review KaDS KaTP Ka-Band Data Services Ka-Band Transition Product NEAR EARTH NETWORK Ready for Operational Support SERVICES (NENS) NENS Near Earth Network Services PROCUREMENT ORR RF Operation Readiness Review Task Begins Code Document Release Radio Frequency Request for Proposal Software Release CCSDS Recommento ESTO June SN SRD Space Network System Requirements Document Standards Miscellaneous STARS Space-based Telemetry and Range Safety CONSULTATIVE COMMITTEE FOR SPACE DATA SYSTEMS This chart has been prepared under the direction of GSFC/N&MS/Code 450. Requests for distribution and questions about the content of this chart should be addressed to Alvin Robles at robles, advin@bah.com; (301) 805-5436 or Philip Liebrecht/Code 450 at Phil.Liebrecht@gsfc.nasa.gov; (301) 286-5220. SWSI SN Web Services Interface (CCSDS) Telecommand CCSDS Fall Me **TDRSS** Tracking and Data Relay Satellite System Telemetry Test Readiness Review TRR SPACE NETWORK TWG Technology Working Group **CCSDS Documentation Notes: Fechnology** Sounding Rocket Launch Sites TM Synchronization and Channel Coding, CCSDS Ka-BAND PHASED ARRAY ANTENNA 131.0-B-1. Testing Summer 2003 (Date TBD) - TM Space Data Link Protocol, CCSDS 132.0-B-1. Poker Flat Research Range WPS Network Space Packet Protocol, CCSDS 133.0-B-1. Wallops Island, Virginia - Encapsulation Service, CCSDS 133.1-B-1. - Proximity-1 Space Link Protocol, CCSDS 211.0-B-1. Ka-BAND DATA SERVICES (KaDS) **KaDS Documentation Notes** - TC Synchronization and Channel Coding, CCSDS Documentation Release See KaDS Doc Notes 231.0-B-1. System Requirements Document - TC Space Data Link Protocol, CCSDS 232.0-B-1. SN Ka-band customer flight system concept documer Release 1.1 - Communications Operation Procedure-1, CCSDS Ground Architecture Document 232.1-B-1. Ka-band IP study white paper Space - Orbit Data Messages, CCSDS 502.0-B-1. SN WEB SERVICES INTERFACE (SWSI) - AOS Space Data Link Protocol, CCSDS 732.0-B-1. Upgrade - Space Link Extension--Return Virtual Channel Frames Service Specification, CCSDS 911.2-B-1. Factory AT Jan - Space Link Extension--Forward Space Packet Service Specification, CCSDS DEMAND ACCESS SYSTEM (DAS) 912.3-B-1. **GROUND NETWORK** Ground Network Technology SPACE-BASED TELEMETRY AND RANGE SAFETY (STARS) TDRSS RF End-to-End Testing at DFRC Mar Ka-BAND TRANSITION PROJECT (KaTP) TRACKING AND DATA RELAY SATELLITE TDRS-I On Orbit

Phase I Review

TRACKING AND DATA RELAY SATELLITE SYSTEM (TDRSS)

TDRSS FOLLOW-ON

Booz | Allen | Hamilton

Updated July 11, 2003